Timothy Dube

List of Publications by Year
in descending order

168 papers	3,632 citations	147566 31 h-index	205818 48 g-index
171 all docs	171 docs citations	171 times ranked	3262 citing authors

#	Article	IF	Citations
1	Evaluating the utility of the medium-spatial resolution Landsat 8 multispectral sensor in quantifying aboveground biomass in uMgeni catchment, South Africa. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 101, 36-46.	4.9	220
2	Investigating the robustness of the new Landsat-8 Operational Land Imager derived texture metrics in estimating plantation forest aboveground biomass in resource constrained areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 12-32.	4.9	112
3	Intra-and-Inter Species Biomass Prediction in a Plantation Forest: Testing the Utility of High Spatial Resolution Spaceborne Multispectral RapidEye Sensor and Advanced Machine Learning Algorithms. Sensors, 2014, 14, 15348-15370.	2.1	105
4	Estimating Above-Ground Biomass in Sub-Tropical Buffer Zone Community Forests, Nepal, Using Sentinel 2 Data. Remote Sensing, 2018, 10, 601.	1.8	86
5	Examining the nexus between land surface temperature and urban growth in Chattogram Metropolitan Area of Bangladesh using long term Landsat series data. Urban Climate, 2020, 32, 100593.	2.4	83
6	Separability of coffee leaf rust infection levels with machine learning methods at Sentinel-2 MSI spectral resolutions. Precision Agriculture, 2017, 18, 859-881.	3.1	71
7	Prediction of future urban surface temperatures using medium resolution satellite data in Harare metropolitan city, Zimbabwe. Building and Environment, 2017, 122, 397-410.	3.0	68
8	The â€˜plastic waste eraâ€™; social perceptions towards single-use plastic consumption and impacts on the marine environment in Durban, South Africa. Applied Geography, 2020, 114, 102132.	1.7	67
9	Water quality monitoring in sub-Saharan African lakes: a review of remote sensing applications. African Journal of Aquatic Science, 2015, 40, 1-7.	0.5	64
10	Impacts of Climate Variability and Drought on Surface Water Resources in Sub-Saharan Africa Using Remote Sensing: A Review. Remote Sensing, 2020, 12, 4184.	1.8	64
11	Ungauged runoff simulation in Upper Manyame Catchment, Zimbabwe: Application of the HEC-HMS model. Physics and Chemistry of the Earth, 2017, 100, 371-382.	1.2	61
12	Progress in the remote sensing of C3 and C4 grass species aboveground biomass over time and space. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 120, 13-24.	4.9	60
13	Advancements in satellite remote sensing for mapping and monitoring of alien invasive plant species (AIPs). Physics and Chemistry of the Earth, 2019, 112, 237-245.	1.2	59
14	Detection of land cover changes around Lake Mutirikwi, Zimbabwe, based on traditional remote sensing image classification techniques. African Journal of Aquatic Science, 2014, 39, 89-95.	0.5	55
15	Determining extreme heat vulnerability of Harare Metropolitan City using multispectral remote sensing and socio-economic data. Journal of Spatial Science, 2018, 63, 173-191.	1.0	55
16	Remote sensing based water quality monitoring in Chivero and Manyame lakes of Zimbabwe. Physics and Chemistry of the Earth, 2013, 66, 38-44.	1.2	51
17	Remotely sensed retrieval of Local Climate Zones and their linkages to land surface temperature in Harare metropolitan city, Zimbabwe. Urban Climate, 2019, 27, 259-271.	2.4	51
18	Assessing drivers of benthic macroinvertebrate community structure in African highland streams: An exploration using multivariate analysis. Science of the Total Environment, 2017, 601-602, 1340-1348.	3.9	49

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19	Remote sensing of invasive water hyacinth (Eichhornia crassipes): A review on applications and challenges. Remote Sensing Applications: Society and Environment, 2018, 10, 36-46.	0.8	48
20	Assessing the potential of integrated Landsat 8 thermal bands, with the traditional reflective bands and derived vegetation indices in classifying urban landscapes. Geocarto International, 2017, 32, 886-899.	1.7	45
21	Advancements in the remote sensing of landscape pattern of urban green spaces and vegetation fragmentation. International Journal of Remote Sensing, 2021, 42, 3797-3832.	1.3	45
22	Linking major shifts in land surface temperatures to long term land use and land cover changes: A case of Harare, Zimbabwe. Urban Climate, 2017, 20, 120-134.	2.4	44
23	An appraisal on the progress of remote sensing applications in soil erosion mapping and monitoring. Remote Sensing Applications: Society and Environment, 2018, 9, 1-9.	0.8	44
24	Predicting streamflow for land cover changes in the Upper Gilgel Abay River Basin, Ethiopia: A TOPMODEL based approach. Physics and Chemistry of the Earth, 2014, 76-78, 3-15.	1.2	42
25	Detection and mapping the spatial distribution of bracken fern weeds using the Landsat 8 OLI new generation sensor. International Journal of Applied Earth Observation and Geoinformation, 2017, 57, 93-103.	1.4	41
26	Application of Drone Technologies in Surface Water Resources Monitoring and Assessment: A Systematic Review of Progress, Challenges, and Opportunities in the Global South. Drones, 2021, 5, 84.	2.7	41
27	Employing ground and satellite-based QuickBird data and random forest to discriminate five tree species in a Southern African Woodland. Geocarto International, 2015, 30, 457-471.	1.7	38
28	Predicting *Eucalyptus* spp. stand volume in Zululand, South Africa: an analysis using a stochastic gradient boosting regression ensemble with multi-source data sets. International Journal of Remote Sensing, 2015, 36, 3751-3772.	1.3	37
29	Assessing the feasibility of integrating remote sensing and in-situ measurements in monitoring water quality status of Lake Chivero, Zimbabwe. Physics and Chemistry of the Earth, 2016, 93, 2-11.	1.2	37
30	A quantitative framework for analysing long term spatial clustering and vegetation fragmentation in an urban landscape using multi-temporal landsat data. International Journal of Applied Earth Observation and Geoinformation, 2020, 88, 102057.	1.4	36
31	Understanding seasonal dynamics of invasive water hyacinth (*Eichhornia crassipes*) in the Greater Letaba river system using Sentinel-2 satellite data. GIScience and Remote Sensing, 2019, 56, 1355-1377.	2.4	35
32	Leveraging Google Earth Engine platform to characterize and map small seasonal wetlands in the semi-arid environments of South Africa. Science of the Total Environment, 2022, 803, 150139.	3.9	35
33	Surface water bodies mapping in Zimbabwe using landsat 8 OLI multispectral imagery: A comparison of multiple water indices. Physics and Chemistry of the Earth, 2018, 106, 63-67.	1.2	34
34	A COMPARATIVE ANALYSIS OF PLANETSCOPE AND SENTINEL SENTINEL-2 SPACE-BORNE SENSORS IN MAPPING STRIGA WEED USING GUIDED REGULARISED RANDOM FOREST CLASSIFICATION ENSEMBLE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 701-708.	0.2	34
35	An assessment of gully erosion along major armoured roads in south-eastern region of South Africa: a remote sensing and GIS approach. Geocarto International, 2016, 31, 225-239.	1.7	32
36	Remote sensing of surface water quality in relation to catchment condition in Zimbabwe. Physics and Chemistry of the Earth, 2017, 100, 13-18.	1.2	32

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37	Assessing and mapping the severity of soil erosion using the 30-m Landsat multispectral satellite data in the former South African homelands of Transkei. Physics and Chemistry of the Earth, 2017, 100, 296-304.	1.2	32
38	The impact of land-use/land cover changes on water balance of the heterogeneous Buzi sub-catchment, Zimbabwe. Remote Sensing Applications: Society and Environment, 2020, 18, 100292.	0.8	32
39	Remote sensing leaf water stress in coffee (Coffea arabica) using secondary effects of water absorption and random forests. Physics and Chemistry of the Earth, 2017, 100, 317-324.	1.2	31
40	Testing two methods for mapping water hyacinth (*Eichhornia crassipes*) in the Greater Letaba river system, South Africa: discrimination and mapping potential of the polar-orbiting Sentinel-2 MSI and Landsat 8 OLI sensors. International Journal of Remote Sensing, 2018, 39, 8041-8059.	1.3	31
41	Multi-source spatial data-based invasion risk modeling of Striga (*Striga asiatica*) in Zimbabwe. GIScience and Remote Sensing, 2020, 57, 553-571.	2.4	31
42	Estimating LAI and mapping canopy storage capacity for hydrological applications in wattle infested ecosystems using Sentinel-2 MSI derived red edge bands. GIScience and Remote Sensing, 2019, 56, 68-86.	2.4	30
43	Remote sensing of crop health for food security in Africa: Potentials and constraints. Remote Sensing Applications: Society and Environment, 2017, 8, 231-239.	0.8	28
44	Landscape-Scale Aboveground Biomass Estimation in Buffer Zone Community Forests of Central Nepal: Coupling In Situ Measurements with Landsat 8 Satellite Data. Remote Sensing, 2018, 10, 1848.	1.8	28
45	Progress in remote sensing: vegetation monitoring in South Africa. Southern African Geographical Journal, 2016, 98, 461-471.	0.9	27
46	Use of multi-temporal satellite data for monitoring pool surface areas occurring in non-perennial rivers in semi-arid environments of the Western Cape, South Africa. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 375-384.	4.9	26
47	Multispectral Remote Sensing of Wetlands in Semi-Arid and Arid Areas: A Review on Applications, Challenges and Possible Future Research Directions. Remote Sensing, 2020, 12, 4190.	1.8	26
48	Numerical Assessments of Leaf Area Index in Tropical Savanna Rangelands, South Africa Using Landsat 8 OLI Derived Metrics and In-Situ Measurements. Remote Sensing, 2019, 11, 829.	1.8	24
49	Understanding the relationship between urban outdoor temperatures and indoor air-conditioning energy demand in Zimbabwe. Sustainable Cities and Society, 2017, 34, 97-108.	5.1	23
50	Effect of landscape pattern and spatial configuration of vegetation patches on urban warming and cooling in Harare metropolitan city, Zimbabwe. GIScience and Remote Sensing, 2021, 58, 261-280.	2.4	23
51	The impact of integrating WorldView-2 sensor and environmental variables in estimating plantation forest species aboveground biomass and carbon stocks in uMgeni Catchment, South Africa. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 415-425.	4.9	22
52	Remotely sensed C3 and C4 grass species aboveground biomass variability in response to seasonal climate and topography. African Journal of Ecology, 2019, 57, 477-489.	0.4	22
53	Exploring the spatial patterns of vegetation fragmentation using local spatial autocorrelation indices. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	22
54	Applying the Surface Energy Balance System (SEBS) remote sensing model to estimate spatial variations in evapotranspiration in Southern Zimbabwe. Transactions of the Royal Society of South Africa, 2015, 70, 47-55.	0.8	21

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55	Quantifying the variability and allocation patterns of aboveground carbon stocks across plantation forest types, structural attributes and age in sub-tropical coastal region of KwaZulu Natal, South Africa using remote sensing. Applied Geography, 2015, 64, 55-65.	1.7	21
56	Testing the detection and discrimination potential of the new LandsatÂ8 satellite data on the challenging water hyacinth (EichhorniaÂcrassipes) in freshwater ecosystems. Applied Geography, 2017, 84, 11-22.	1.7	21
57	Estimating forest standing biomass in savanna woodlands as an indicator of forest productivity using the new generation WorldView-2 sensor. Geocarto International, 2018, 33, 178-188.	1.7	21
58	Is it possible to discern Striga weed (Striga hermonthica) infestation levels in maize agro-ecological systems using in-situ spectroscopy?. International Journal of Applied Earth Observation and Geoinformation, 2020, 85, 102008.	1.4	21
59	Advances in satellite remote sensing of the wetland ecosystems in Sub-Saharan Africa. Geocarto International, 2022, 37, 5891-5913.	1.7	21
60	An assessment of chlorophyll-a concentration spatio-temporal variation using Landsat satellite data, in a small tropical reservoir. Geocarto International, 2015, 30, 1130-1143.	1.7	20
61	Testing utility of Landsat 8 for remote assessment of water quality in two subtropical African reservoirs with contrasting trophic states. Geocarto International, 2018, 33, 667-680.	1.7	20
62	Exploring the inclusion of Sentinel-2 MSI texture metrics in above-ground biomass estimation in the community forest of Nepal. Geocarto International, 2020, 35, 1832-1849.	1.7	20
63	Quantitative assessment of grassland foliar moisture parameters as an inference on rangeland condition in the mesic rangelands of southern Africa. International Journal of Remote Sensing, 2021, 42, 1474-1491.	1.3	20
64	Integrating age in the detection and mapping of incongruous patches in coffee (Coffea arabica) plantations using multi-temporal Landsat 8 NDVI anomalies. International Journal of Applied Earth Observation and Geoinformation, 2017, 57, 1-13.	1.4	19
65	Remote sensing applications in monitoring urban growth impacts on in-and-out door thermal conditions: A review. Remote Sensing Applications: Society and Environment, 2017, 8, 83-93.	0.8	19
66	Spatial modelling the effects of climate change on the distribution of Lantana camara in Southern Zimbabwe. Applied Geography, 2020, 117, 102172.	1.7	19
67	Evaluating the performance of the newly-launched Landsat 8 sensor in detecting and mapping the spatial configuration of water hyacinth (Eichhornia crassipes) in inland lakes, Zimbabwe. Physics and Chemistry of the Earth, 2017, 100, 101-111.	1.2	18
68	Detection and mapping of bracken fern weeds using multispectral remotely sensed data: a review of progress and challenges. Geocarto International, 2018, 33, 209-224.	1.7	18
69	Estimating wood volume from canopy area in deciduous woodlands of Zimbabwe. Southern Forests, 2014, 76, 237-244.	0.2	17
70	Understanding the spatial distribution of elephant (Loxodonta africana) poaching incidences in the mid-Zambezi Valley, Zimbabwe using Geographic Information Systems and remote sensing. Geocarto International, 2016, 31, 1006-1018.	1.7	17
71	Characterizing the spatio-temporal variations of C3 and C4 dominated grasslands aboveground biomass in the Drakensberg, South Africa. International Journal of Applied Earth Observation and Geoinformation, 2018, 68, 51-60.	1.4	17
72	Integrating microbiological and physico-chemical parameters for enhanced spatial prediction of groundwater quality in Harare. Physics and Chemistry of the Earth, 2019, 112, 125-133.	1.2	17

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73	Spatio–temporal variation of vegetation heterogeneity in groundwater dependent ecosystems within arid environments. Ecological Informatics, 2022, 69, 101667.	2.3	17
74	Understanding the spatial distribution of eroded areas in the former rural homelands of South Africa: Comparative evidence from two new non-commercial multispectral sensors. International Journal of Applied Earth Observation and Geoinformation, 2018, 69, 119-132.	1.4	16
75	Geospatial assessment of soil erosion vulnerability in the upper uMgeni catchment in KwaZulu Natal, South Africa. Physics and Chemistry of the Earth, 2019, 112, 50-57.	1.2	16
76	Impacts of groundwater and climate variability on terrestrial groundwater dependent ecosystems: a review of geospatial assessment approaches and challenges and possible future research directions. Geocarto International, 2022, 37, 6755-6779.	1.7	16
77	Remote sensing of land use-land cover change and climate variability on hydrological processes in Sub-Saharan Africa: key scientific strides and challenges. Geocarto International, 2022, 37, 10925-10949.	1.7	16
78	The Precision of C Stock Estimation in the Ludhikola Watershed Using Model-Based and Design-Based Approaches. Natural Resources Research, 2013, 22, 297-309.	2.2	15
79	Assessing the aftermath of the fast track land reform programme in Zimbabwe on land-use and land-cover changes. Transactions of the Royal Society of South Africa, 2015, 70, 181-186.	0.8	15
80	Investigating flash floods potential areas using ASCAT and TRMM satellites in the Western Cape Province, South Africa. Geocarto International, 2015, 30, 737-754.	1.7	15
81	The utility of earth observation technologies in understanding impacts of land reform in the eastern region of Zimbabwe. Journal of Land Use Science, 2016, 11, 384-400.	1.0	15
82	Use of Landsat series data to analyse the spatial and temporal variations of land degradation in a dispersive soil environment: A case of King Sabata Dalindyebo local municipality in the Eastern Cape Province, South Africa. Physics and Chemistry of the Earth, 2017, 100, 112-120.	1.2	15
83	Stand-volume estimation from multi-source data for coppiced and high forest Eucalyptus spp. silvicultural systems in KwaZulu-Natal, South Africa. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 132, 162-169.	4.9	15
84	Assessing the environmental sustainability of cultivation systems in wetlands using the WET-Health framework in Zimbabwe. Physical Geography, 2017, 38, 62-82.	0.6	15
85	Outdoor thermal discomfort analysis in Harare, Zimbabwe in Southern Africa. Southern African Geographical Journal, 2018, 100, 162-179.	0.9	15
86	Spatial modelling of groundwater quality across a land use and land coverÂgradient in Limpopo Province, South Africa. Physics and Chemistry of the Earth, 2020, 115, 102820.	1.2	15
87	Modeling the geographic spread and proliferation of invasive alien plants (IAPs) into new ecosystems using multi-source data and multiple predictive models in the Heuningnes catchment, South Africa. GIScience and Remote Sensing, 2021, 58, 483-500.	2.4	15
88	Assessing the potential of Sentinel-2 MSI sensor in detecting and mapping the spatial distribution of gullies in a communal grazing landscape. Physics and Chemistry of the Earth, 2019, 112, 66-74.	1.2	14
89	An assessment of irrigation water quality and potential of reusing greywater in home gardens in water-limited environments. Physics and Chemistry of the Earth, 2020, 116, 102857.	1.2	14
90	A systematic review on the use of remote sensing technologies in quantifying grasslands ecosystem services. GIScience and Remote Sensing, 2022, 59, 1000-1025.	2.4	14

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91	Ecological Assessment of Two Species of Potamonautid Freshwater Crabs from the Eastern Highlands of Zimbabwe, with Implications for Their Conservation. PLoS ONE, 2016, 11, e0145923.	1.1	13
92	Evaluating the influence of the Red Edge band from RapidEye sensor in quantifying leaf area index for hydrological applications specifically focussing on plant canopy interception. Physics and Chemistry of the Earth, 2017, 100, 73-80.	1.2	13
93	Use of multispectral satellite datasets to improve ecological understanding of the distribution of Invasive Alien Plants in a water€limited catchment, South Africa. African Journal of Ecology, 2020, 58, 709-718.	0.4	13
94	A two-step approach for detecting Striga in a complex agroecological system using Sentinel-2 data. Science of the Total Environment, 2021, 762, 143151.	3.9	13
95	Evaluation of TAMSAT satellite rainfall estimates for southern Africa: A comparative approach. Physics and Chemistry of the Earth, 2019, 112, 141-153.	1.2	12
96	Local community involvement in nature conservation under the auspices of Community€Based Natural Resource Management: A state of the art review. African Journal of Ecology, 2021, 59, 799-808.	0.4	12
97	Remote Sensing of Invasive Lantana camara (Verbenaceae) in Semiarid Savanna Rangeland Ecosystems of South Africa. Rangeland Ecology and Management, 2020, 73, 411-419.	1.1	12
98	Determining Optimal New Generation Satellite Derived Metrics for Accurate C3 and C4 Grass Species Aboveground Biomass Estimation in South Africa. Remote Sensing, 2018, 10, 564.	1.8	11
99	Global terrestrial biomes at risk of cacti invasion identified for four species using consensual modelling. Journal of Arid Environments, 2018, 156, 77-86.	1.2	11
100	Remote sensing of water use and water stress in the African savanna ecosystem at local scale €" Development and validation of a monitoring tool. Physics and Chemistry of the Earth, 2019, 112, 154-164.	1.2	11
101	Elephants move faster in small fragments of low productivity in Amboseli ecosystems: Kenya. Geocarto International, 2017, 32, 1243-1253.	1.7	10
102	Use of multispectral satellite data to assess impacts of land management practices on wetlands in the Limpopo Transfrontier River Basin, South Africa. Southern African Geographical Journal, 2022, 104, 193-212.	0.9	10
103	Using cloud computing techniques to monitor long-term variations in ecohydrological dynamics of small seasonally-flooded wetlands in semi-arid South Africa. Journal of Hydrology, 2022, 612, 128080.	2.3	10
104	A new potential method to estimate abundance of small game species. African Journal of Ecology, 2015, 53, 406-412.	0.4	9
105	Can biophysical parameters derived from Sentinel-2 space-borne sensor improve land cover characterisation in semi-arid regions?. Geocarto International, 2021, 36, 2204-2223.	1.7	9
106	Using an expert-based model to develop a groundwater pollution vulnerability assessment framework for Zimbabwe. Physics and Chemistry of the Earth, 2020, 115, 102826.	1.2	9
107	Landscape Scale land degradation mapping in the semi-arid areas of the Save catchment, Zimbabwe. Southern African Geographical Journal, 2021, 103, 183-203.	0.9	9
108	Effect of spatial resolution on remote sensing estimation of total evaporation in the uMngeni catchment, South Africa. Journal of Applied Remote Sensing, 2015, 9, 095997.	0.6	8

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109	Estimating spatial variations of total evaporation using multispectral sensors within the uMngeni catchment, South Africa. Geocarto International, 2016, 31, 256-277.	1.7	8
110	Assessing effect of rainfall on rate of alien shrub expansion in a southern African savanna. African Journal of Range and Forage Science, 2017, 34, 39-44.	0.6	8
111	Spatial assessment of ecosystem service trade-offs and synergies in Zimbabwe. Transactions of the Royal Society of South Africa, 2018, 73, 172-179.	0.8	8
112	Developments in the remote sensing of soil erosion in the perspective of sub-Saharan Africa. Implications on future food security and biodiversity. Remote Sensing Applications: Society and Environment, 2018, 9, 100-106.	0.8	8
113	Estimating soil organic and aboveground woody carbon stock in a protected dry Miombo ecosystem, Zimbabwe: Landsat 8 OLI data applications. Physics and Chemistry of the Earth, 2018, 105, 154-160.	1.2	8
114	Effect of landcover/land-use changes on water availability in and around Ruti Dam in Nyazvidzi catchment, Zimbabwe. Water S A, 2018, 44, .	0.2	8
115	Progress in Remote Sensing of Grass Senescence: A Review on the Challenges and Opportunities. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7714-7723.	2.3	8
116	Spatial Characterisation of Vegetation Diversity in Groundwater-Dependent Ecosystems Using In-Situ and Sentinel-2 MSI Satellite Data. Remote Sensing, 2022, 14, 2995.	1.8	8
117	Modelling <i>Opuntia fulgida</i> invasion in Zimbabwe. Transactions of the Royal Society of South Africa, 2017, 72, 217-224.	0.8	7
118	An assessment of land cover changes in a protected nature reserve and possible implications on water resources, South Africa. Physics and Chemistry of the Earth, 2018, 107, 86-91.	1.2	7
119	The Utility of the Upcoming HyspIRI's Simulated Spectral Settings in Detecting Maize Gray Leafy Spot in Relation to Sentinel-2 MSI, VENµS, and Landsat 8 OLI Sensors. Agronomy, 2019, 9, 846.	1.3	7
120	Distribution of Parthenium hysterophoru L. with variation in rainfall using multi-year SPOT data and random forest classification. Remote Sensing Applications: Society and Environment, 2019, 13, 215-223.	0.8	7
121	Evaluating greenhouse gas emission reductions by using solar water heaters: A case of low income households in Ekurhuleni, South Africa. Physics and Chemistry of the Earth, 2020, 116, 102843.	1.2	7
122	Use of remotely sensed data to estimate tree species diversity as an indicator of biodiversity in Blouberg Nature Reserve, South Africa. Geocarto International, 2022, 37, 526-542.	1.7	7
123	Fine-scale multi-temporal and spatial analysis of agricultural drought in agro-ecological regions of Zimbabwe. Geomatics, Natural Hazards and Risk, 2022, 13, 1342-1365.	2.0	7
124	Estimating forest carbon stocks in tropical dry forests of Zimbabwe: exploring the performance of high and medium spatial-resolution multispectral sensors. Southern Forests, 2017, 79, 31-40.	0.2	6
125	Examining the prospects of sentinel-2 multispectral data in detecting and mapping maize streak virus severity in smallholder Ofcolaco farms, South Africa. Geocarto International, 2021, 36, 1873-1883.	1.7	6
126	Predicting pollutant concentrations in rivers exposed to alluvial gold mining in Mazowe Catchment, Zimbabwe. Physics and Chemistry of the Earth, 2019, 112, 210-215.	1.2	6

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127	Monitoring and assessment of the seasonal and inter-annual pan inundation dynamics in the Kgalagadi Transfrontier Park, Southern Africa. Physics and Chemistry of the Earth, 2020, 118-119, 102905.	1.2	6
128	Evaluating the impact of land use and land cover change on unprotected wetland ecosystems in the arid-tropical areas of South Africa using the Landsat dataset and support vector machine. Geocarto International, 2022, 37, 10344-10365.	1.7	6
129	Local community attitudes and perceptions towards benefits and challenges associated with biodiversity conservation in Blouberg Nature Reserve, South Africa. African Journal of Ecology, 2022, 60, 769-779.	0.4	6
130	Total evaporation estimation for accurate water accounting purposes: an appraisal of various available estimation methods. Geocarto International, 2017, 32, 1333-1351.	1.7	5
131	Establishing the link between urban land cover change and the proliferation of aquatic hyacinth (Eichhornia crassipes) in Harare Metropolitan, Zimbabwe. Physics and Chemistry of the Earth, 2018, 108, 19-27.	1.2	5
132	Understanding the impacts of human resettlement and projected land use dynamics in Chimanimani district of Zimbabwe. Physics and Chemistry of the Earth, 2018, 106, 83-88.	1.2	5
133	Perceptions on greywater reuse for home gardening activities in two rural villages of Fetakgomo Local Municipality, South Africa. Physics and Chemistry of the Earth, 2019, 112, 21-27.	1.2	5
134	Optimal season for discriminating C3 and C4 grass functional types using multi-date Sentinel 2 data. GIScience and Remote Sensing, 2020, 57, 127-139.	2.4	5
135	Characterizing Leaf Nutrients of Wetland Plants and Agricultural Crops with Nonparametric Approach Using Sentinel-2 Imagery Data. Remote Sensing, 2021, 13, 4249.	1.8	5
136	Operational applications of remote sensing in groundwater mapping across sub-Saharan Africa. Transactions of the Royal Society of South Africa, 2015, 70, 173-179.	0.8	4
137	Examining the variability of small-reservoir water levels in semi-arid environments for integrated water management purposes, using remote sensing. Transactions of the Royal Society of South Africa, 2016, 71, 115-119.	0.8	4
138	Accuracy assessment of MODIS active fire products in southern African savannah woodlands. African Journal of Ecology, 2018, 56, 563-571.	0.4	4
139	Assessing the surface material quality of unpaved rural roads to understand susceptibility to surface deterioration. A case study of four rural areas in KwaZulu-Natal, South Africa. Physics and Chemistry of the Earth, 2019, 112, 3-11.	1.2	4
140	Remote sensing of aboveground grass biomass between protected and non-protected areas in savannah rangelands. African Journal of Ecology, 2021, 59, 687-695.	0.4	4
141	Satellite monitoring of surface water variability in the drought prone Western Cape, South Africa. Physics and Chemistry of the Earth, 2021, 124, 102914.	1.2	4
142	Mapping rangeland ecosystems vulnerability to *Lantana camara* invasion in semi-arid savannahs in South Africa. African Journal of Ecology, 2022, 60, 658-667.	0.4	4
143	Pansharpened landsat 8 thermal-infrared data for improved Land Surface Temperature characterization in a heterogeneous urban landscape. Remote Sensing Applications: Society and Environment, 2022, 26, 100728.	0.8	4
144	Landuse and landcover change assessment in the Upper Runde sub-catchment, Zimbabwe and possible impacts on reservoir sedimentation. Physics and Chemistry of the Earth, 2022, 126, 103105.	1.2	4

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145	Discrimination of Tomato Plants (Solanum lycopersicum) Grown under Anaerobic Baffled Reactor Effluent, Nitrified Urine Concentrates and Commercial Hydroponic Fertilizer Regimes Using Simulated Sensor Spectral Settings. Agronomy, 2019, 9, 373.	1.3	3
146	Assessing edge effect on the spatial distribution of selected forest biochemical properties derived using the Worldview data in Dukuduku forests, South Africa. African Journal of Ecology, 2019, 57, 314-326.	0.4	3
147	Modelling the distribution of the invasive *Ziziphus mauritiana* along road corridors in Zimbabwe. African Journal of Ecology, 2019, 57, 122-129.	0.4	3
148	African elephant (*Loxodonta africana*) select less fragmented landscapes to connect core habitats in human€dominated landscapes. African Journal of Ecology, 2021, 59, 370-377.	0.4	3
149	Progress in the use of geospatial and remote sensing technologies in the assessment and monitoring of tomato crop diseases. Geocarto International, 2022, 37, 4784-4804.	1.7	3
150	Remotely sensed applications in monitoring the spatio-temporal dynamics of pools and flows along non-perennial rivers: a review. Southern African Geographical Journal, 2022, 104, 427-445.	0.9	3
151	Quantifying the spatial and temporal changes in forested landcover using landscape metrics derived from remotely sensed data in rural parts of Zimbabwe. Transactions of the Royal Society of South Africa, 2016, 71, 105-113.	0.8	2
152	Relationship between native and exotic plant species at multiple savannah sites. African Journal of Ecology, 2018, 56, 81-90.	0.4	2
153	Mapping the spatial distribution of *Lantana camara* using high-resolution SPOT 6 data, in Mpumalanga communal areas, South Africa. Transactions of the Royal Society of South Africa, 2020, 75, 239-244.	0.8	2
154	Observations, Monitoring and Data Management. , 2021, , 385-442.		2
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